

4. (Amended) A solid magnesium compound substantially comprising a magnesium alkoxide, whose particle size distribution index (P), as defined in formula (I-1), is smaller than 4.0, $P < 4.0$:

C2

$$P = (D_{90}/D_{10}) \quad (I-1)$$

wherein D_{90} indicates the particle diameter of the compound particles corresponding to the cumulative weight fraction of 90 % in the particle size distribution thereof computed from light transmittance through a suspension of the compound particles in a hydrocarbon; and D_{10} indicates the particle diameter of the compound particles corresponding to the cumulative weight fraction of 10 % therein.

C3

8. (Amended) A magnesium compound prepared by reacting metallic magnesium, an alcohol and at least 0.0005 gram atoms, in terms of halogen atoms relative to one gram atom of magnesium, of a halogen and/or a halogen-containing metal compound, in the presence of a saturated hydrocarbon compound.

11. (Amended) A solid magnesium compound substantially comprising a magnesium alkoxide, whose particle size distribution index (P), as defined in formula (I-1), is smaller than 4.0, $P < 4.0$:

C4

$$P = (D_{90}/D_{10}) \quad (I-1)$$

wherein D_{90} indicates the particle diameter of the compound particles corresponding to the cumulative weight fraction of 90 % in the particle size distribution thereof computed from light transmittance through a suspension of the compound particles in a hydrocarbon; and D_{10} indicates the particle diameter of the compound particles corresponding to the cumulative weight fraction of 10 % therein, and ~~whose~~ ^{of the solid Mg compound} particles have a sphericity (S), as defined in formula (I-2), of smaller than 2.0, $S < 2.0$:

$$S = (L_1/L_2)^3$$

CA Cont wherein L_1 indicates the major diameter of the magnesium compound particle prepared by imaging the compound through scanning electronic microscopy followed by analyzing the projected image of the particle, and L_2 indicates the diameter of the circle having the same area as the projected area of the magnesium compound particle.--

Please add the following new claims:

25. (Newly Added) A magnesium compound prepared by reacting metallic magnesium, a C_{1-6} -aliphatic alcohol and at least 0.0001 gram atoms, in terms of halogen atoms relative to one gram atom of magnesium, of a halogen and/or a halogen-containing metal compound, at 30° to 60° C.

26. (Newly Added) A magnesium compound prepared by reacting a combination of reactants consisting essentially of metallic magnesium, a C_{1-6} -aliphatic alcohol and at least 0.0001 gram atoms, in terms of halogen atoms relative to one gram atom of magnesium, of a halogen and/or a halogen-containing metal compound, at 30° to 60° C.

27. (Newly Added) The magnesium compound as claimed in claim 1, wherein the gram atom content of halogen is less than 0.06 gram atoms.

28. (Newly Added) The magnesium compound as claimed in claim 1, wherein the amount of alcohol ranges from 5 to 50 mols relative to one mole of magnesium.

29. (Newly Added) A magnesium compound prepared by reacting metallic magnesium, a C_{1-6} -aliphatic alcohol and at least 0.0005 gram atoms, in terms of halogen atoms relative to one gram atom of magnesium, of a halogen and/or a halogen-containing metal compound, in the presence of a saturated hydrocarbon compound.--
